

Complete if Known

Application Number	09/903,091
Filing Date	July 10, 2001.
First Named Inventor:	Kuriacose Jose
Group Art Unit	2783
Examiner Name	Kalinowski, A.
Attorney Docket Number	5214P001RD4

(use as many sheets as necessary)

Sheet **MAI** 1 5 of 2

Attorney Docket Number 5214P001RD4

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Ms. Lu Ben

Date Considered

✓/30/03

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for Form 1449/PTO (Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete If Known

Application Number	09/903,091
Filing Date	July 10, 2001
First Named Inventor:	Kuriacose Joseph et al.
Group Art Unit	2783
Examiner Name	Kalinowski, A.
Attorney Docket Number	5214P001RD4

Sheet 2 of 2**OTHER ART - NO PATENT LITERATURE DOCUMENTS**Examiner
Initials*Cite
No¹

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

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European Search Report-EP 95 10 5803, March 6, 2002.

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App. for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)

Sheet 1 of 2

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Application Number 09/903,091
Filing Date July 10, 2001
First Named Inventor Kuriacose Joseph, et al.
Group Art Unit 2783
Examiner Name Brown, Rueben
Attorney Docket Number 5214P001RD4

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code² (if known)			
NS		4,937,863		Robert, et al.	06-26-1990	
NS		5,204,897		Wyman	04-20-1993	
NS		5,260,999		Wyman	11-09-1993	
NS		5,627,940		Rohra, et al.	05-06-1997	
NS		5,640,501		Turpin	06-17-1997	
NS		5,640,577		Scharmer	06-17-1997	
NS		5,664,111		Nahan, et al.	09-02-1997	RECEIVED
NS		5,715,314		Payne, et al.	02-03-1998	
		5,715,399		Bezos	02-03-1998	OCT 0 2 2002
		5,727,163		Bezos	03-10-1998	
		5,745,681		Levine, et al.	04-28-1998	Technology Center 2700
		5,758,126		Daniels, et al.	05-26-1998	
		5,960,411		Hartman, et al.	09-28-1999	
		5,819,034		Joseph, et al.	10-06-1998	RECEIVED
		4,247,106		Jeffers, et al.	01-27-1981	
		5,003,591		Kauffman, et al.	03-26-1991	OCT 0 4 2002
		5,440,632		Bacon	08-08-1995	
		5,581,270		Smith, et al.	12-03-1996	Technology Center 2600

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T³
		Office³	Number⁴	Kind Code⁵ (if known)				
NS		EP	0845747	A2	Hitachi, Ltd.	06-03-1998		
NS		EP	0883076	A2	Internation Buisness Machines	12-09-1998		
NS		WO	95/30961		Tackbary, Mary	11-16-1995		
NS		WO	98/21679		Microsoft Corporation	05-22-1998		
NS		WO	96/38799		Amazon.com	12-05-1996		
NS		EP	0855659	A1	Gabberm Eran	07-29-1998		
NS		EP	0855687	A2	AT&T Corp	07-29-1998		

Examiner Signature *Rueben Brown* Date Considered *1/12/03*

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet	2	of	2
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OTHER ART - NON PATENT LITERATURE DOCUMENTS

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Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/903,091	
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			First Named Inventor	Kuriacose Joseph	
			Art Unit	2783	
			Examiner Name	Kalinowski, A.	
Sheet	1	of	5	Attorney Docket Number	5214P001RD4

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U.S. PATENT DOCUMENTS					
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		Number - Kind Code ² (if known)			
US	1	US- 3,803,491	04.09.1974	Osborn	
US	2	US- 3,891,792	06.24.1975	Kimura	
US	3	US- 4,264,925	04.28.1981	Freeman et al.	
US	4	US- 4,323,922	04.06.1982	den Toonder et al.	
US	5	US- 4,528,589	07.09.1985	Block et al.	
US	6	US- 4,724,521	02.09.1988	Carron et al.	
US	7	US- 4,851,994	07.25.1989	Toda et al.	
US	8	US- 4,935,870	06.19.1990	Burk, Jr. et al.	
US	9	US- 4,937,784	06.26.1990	Masai et al.	
US	10	US- 4,965,825	10.23.1990	Harvey et al.	
	11	US- 4,991,011	02.05.1991	Johnson et al.	
	12	US- 5,003,591	03.26.1991	Kaufman et al.	
	13	US- 5,036,314	07.30.1991	Barillari et al.	
	14	US- 5,129,080	07.07.1992	Smith	
	15	US- 5,132,992	07.21.1992	Yurt et al.	
	16	US- 5,191,410	03.02.1993	McCalley et al.	
	17	US- 5,191,573	03.02.1993	Hair	
	18	US- 5,195,092	03.16.1993	Wilson et al.	
	19	US- 5,204,947	04.20.1993	Bernstein et al.	
	20	US- 5,233, 654	08.03.1993	Harvey et al.	

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		Country Code ³	-Number ⁴ - Kind Code ⁵ (if known)				
US	21	EP	0 145 063 A2	06.19.1985	International Standard Electric Corporation		
	22	EP	0 145 063 B1	06.19.1985	International Standard Electric Corporation		
	23	EP	0 570 683 A2	11.24.1993	International Business Machines Corporation		
	24	EP	0 570 683 A3	11.24.1993	International Business Machines Corporation		
	25	EP	0 583 186 B1	02.16.1994	Queniat, Jean-François		
	26	EP	0 399 300 A2	11.28.1990	Hitachi, LTD.		
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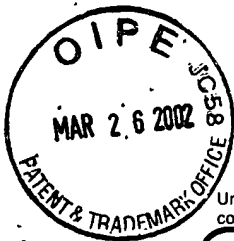
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Examiner Signature	<i>Heidi Ben</i>	Date Considered	4/10/03
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	09/903,091
		Filing Date	07/10/2001
		First Named Inventor	Kuriacose Joseph
		Group Art Unit	2783
		Examiner Name	Kalinowski, A.
		Attorney Docket Number	5214P001RD4
Sheet	2	of	5

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
NB	31	Green N, Hedger J, "ORACLE on Independent Television" Sept. 1976.	
NB	32	Hedger, J, "Broadcast Telesoftware: Experience with ORACLE" Online conferences Ltd., 1980.	
NB	33	Ammar M H, Wong JW, "The Design of Teletext Broadcast Cycles" Elsevier Science Publishers B.V., 1985 (Received May 13, 1984). [Wong's group, Dept of Computer Science, University of Waterloo, Ontario, Canada]	
NB	34	Gifford D K, Lucassen J M, Berlin S T, "The Application of Digital Broadcast Communication to Large Scale Information Systems" IEEE Journal on Selected Areas in Communications, Vol. SAC-3, No. 3, May 1985 (received Sept. 19, 1984). [MIT lab, Gifford's group]	
NB	35	Wong J W, "Broadcast Delivery" Proceedings of IEEE, Vol. 76, No. 12, Dec 1988 (Received April 15 1988).	
NB	36	Herman G, Gopal G, Lee K C, Weinrib A, "The Datacycle Architecture for Very High Throughput Database Systems" Proceedings of Association for Computing Machinery Special Interest Group on Management of Data, 1987 Annual Conference, San Francisco, May 27-29, 1987. [Bell Lab, Herman & Gopal's group, Bell Communications Research, Inc., Morristown, NJ.]	
NB	37	Gifford D K, "Polychannel Systems for Mass Digital Communication" Communications of ACM, Vol. 33, Number 2, Feb. 1990. [MIT lab, Gifford's group]	
NB	38	Bowen T F, Goapl G, Herman G, Hickey T, Lee K C, Mansfield W H, Raitz J, Weinrib A, "The Datacycle Architecture" Communications of the ACM, Vol. 35, No. 12, Dec. 1992.	
NB	39	Antonelli C J, Honeyman P, "Integrating Mass Storage and File Systems", Proceedings, Twelfth IEEE Symposium on Mass Storage Systems, April 26-29, 1993, Monterey, CA.	
NB	40	Zdonik S, "Are 'Disks in the Air' Just Pie in the Sky?" IEEE, Workshop on Mobile Computing Systems and Applications, Santa Cruz, CA, Dec. 1994. [Brown's lab, Zdonik's Group, Dept. of Computer Science, Brown Univ., affiliated with Dept. of Computer Science, University of Maryland]	
AN	41	Acharya S, Alonso R, Franklin M, Zdonik S, "Broadcast Disk: Data Management for Asymmetric Communication Environments" Proceedings of the ACM SIGMOD International conference on Management of Data, San Jose, CA May 1995 (first published in Brown University Technical Report CS-94-43, October 1994)	

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Examiner Signature	<i>Heather Bu</i>	Date Considered	<i>9/10/01</i>
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 3 of 5

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Application Number	09/903,091
Filing Date	07/10/2001
First Named Inventor	Kuriacose Joseph
Art Unit	2783
Examiner Name	Kalinowski, A.
Attorney Docket Number	5214P001RD4

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		Number - Kind Code ² (if known)			
KS	1	US- 5,343,239	08.30.1994	Lappington et al.	RECEIVED MAY 06 2002 Technology Center 2100
KS	2	US- 5,440,744	08.08.1995	Jacobson et al.	
KS	3	US- 5,539,449	07.23.1996	Blahut et al.	RECEIVED MAR 28 2002 Technology Center 2100
KS	4	US- 5,548,532	08.20.1996	Menand et al.	
KS	5	US- 5,600,364	02.04.1997	Hendricks et al.	RECEIVED SEP 06 2002
KS	6	US- 5,666,293	09.09.1997	Metz et al.	
KS	7	US- 5,729,549	03.17.1998	Kostreski et al.	RECEIVED SEP 06 2002
KS	8	US- 5,734,589	03.31.1998	Kostreski et al.	
KS	9	US- 5,768,539	06.16.1998	Metz et al.	RECEIVED SEP 06 2002
KS	10	US- 5,805,825	09.08.1998	Danneels et al.	
KS	11	US- 5,822,324	10.13.1998	Kostresti et al.	RECEIVED SEP 06 2002
KS	12	US- 5,826,166	10.20.1998	Brooks et al.	
KS	13	US- 5,951,639	09.14.1999	MacInnis	RECEIVED SEP 06 2002
KS	14	US- 5,973,684	10.26.1999	Brooks et al.	
KS	15	US- 5,978,855	11.02.1999	Metz et al.	RECEIVED SEP 06 2002
KS	16	US- 6,130,898	10.10.2000	Kostreski et al.	
KS	17	US- 6,185,585 B1	02.06.2001	Sequeira	RECEIVED SEP 06 2002
KS	18	US- 6,195,364 B1	02.27.2001	Brodigan	
KS	19	US- 6,222,530 B1	04.24.2001	Sequeira	RECEIVED SEP 06 2002
KS	20	US- 4,163,255	07-31-1979	Pires	

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	21					
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	of	First Named Inventor	Kuriacose Joseph
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
AS	31	Acharya S, Alonso R, Franklin M, Zdonik S, "Dissemination-based Data Delivery Using Broadcast Disks" IEEE Personal Communications, Vol. 2(6), 50-60, 1995.	
WS	32	Imielinski T, Viswanathan S, Badrinath B R, "Power Efficient Filtering of Data on Air" Advances in Database Technology - EDBT '94, Proceedings, 4th International conference on Extending Database Technology, Cambridge, United Kingdom, March 28-31, 1994. [Rutger's group, Imielinski's lab, Dept. of Computer Science, Rutgers University]	
MS	33	Imielinski T, Viswanathan S, Badrinath B R, "Energy Efficient Indexing on Air" Proceedings of the 1994 ACM SIGMOD, International Conference on Management of Data, Minneapolis, Minnesota, May 24-27, 1994.	
WS	34	Imielinski T, Badrinath B R, "Mobile Wireless Computing" Communications of the ACM, Vol. 37, No. 10, October 1994.	
AS	35	Dr. Hisham El-Shishiny, et al., "A Regional Broadcast-Centric Education System", IEEE Symposium on Computers and Communications, Alexandria, Egypt, July 1-3, 1997.	
WS	36	Anonymous, "Internet Gets Shopping Mall", Information & Interactive Services Report, April 22, 1994, Vol. 15, No. 8, 1 page.	
WS	37	Brody, Herb, "Information Highway: Technology Review, Aug/Sep 1993, Vol. 96, No. 6, page 30.	
AS	38	Rice, Dale, "Centralization, Standardization Are "Way to Go", American Banker, March 9, 1987, Vol. 152, No. 46, page 11.	
MS	39	Poole et al., "Cable TV Plugs Into Internet", Unix World, November 1993, Vol. X, No. 11, page 16.	
WS	40	Yamada, Ken, "Hewlett Devises Way for Palm-Top PC to be linked to "Interactive" Television", Wall Street Journal, October 7, 1992, page B3.	
MS	41	Zachary, G Pascal, "Technology: HP is Building Gadget to Make TVs Interactive", Wall Street Journal, February 27, 1992, page B1.	

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Examiner Signature	<i>Mark R</i>	Date Considered	<i>4/1/02</i>
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Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
AS	1	US- 4,789,895	12-06-1988	Mustafa et al.	
AS	2	US- 5,418,559	05-23-1995	Blahut	
AS	3	US- 5,485,197	01-16-1996	Hoarty	
AS	4	US- 4,965,825	10-23-1990	Harvey et al.	
AS	5	US- 5,936,659	08-10-1999	Viswanathan et al.	
AS	6	US- 6,240,448 B1	05-29-2001	Imielinski et al.	
AS	7	US- 5,706,435	01-06-1998	Barbará et al.	
AS	8	US- 5,168,356	12-01-1992	Acampora et al.	
AS	9	US- 5,581,704	12-03-1996	Barbará et al.	
AS	10	US- 5,621,456	04-15-1997	Florin et al.	
AS	11	US- 5,848,399	12-08-1998	Burke	
AS	12	US- 5,347,632	09-13-1994	Filepp et al.	
	13	US-			
	14	US-			
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	16	US-			
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FOREIGN PATENT DOCUMENTS					
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Examiner Signature	<i>Meulman</i>	Date Considered	4/1/03
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